

Materials Engineering CoP Meeting Agenda
3/22/12

Attendees:

Burnaby – Shawn
El Segundo – Matt
Cape Town – Craig
Hawaii –
Pascagoula – Eric, Orin
Salt Lake –
Richmond – Tom, Jessica, Praneil
ETC – Bill Coyle
Reliability COE – Carol-Ann Laughlin (facilitator), Jose
Absent – Kelley (finals), Maricela (meeting conflict)

Guests:

- 10 min - LPS Moment – Being conscious of surroundings
- 15 min – Learnings from Corrosion 2012
 - Maricela – paper on use of 2.25Cr vs 1.25Cr in reactors, H2 diffusivity
 - Matt – QA/QC on duplex SS, be sure QA/QC person is well engaged and knows what to look for (PA has lots of experience! Let Paul at ETC know if you want to help revise spec for duplex fabrication)
 - Matt – API581 table will be removed because there is no basis for data
 - Bill – Ag is least permeable to H2, not Au
 - Carol-Ann – still a lot to learn about Nap Acid, will be topic at fall State of the Art
 - Carol-Ann – TG 383 is working on developing Refining Materials Engineer certification
 - Bill – Flint Hills example of process condition creep in disulfide separator, beware of “puking” caustic into other plant feeds
 - Bill – ArdelorMittal (steel manufacturer) is campaigning to reduce PWHT temperatures to avoid damaging mechanical properties
 - Matt – HTHA, API considering lower curve for non-PWHT CS, Peter Risse is on committee
- 15 min – TKC reactor nozzle cracking –Jessica



Materials COP R411
repair.pptx

- 15 min – Hardness testing requirements – Carol-Ann for Maricela



FW Brinell hardness
requirements.msg

- 5 min – agenda items for next time and wrap up – Carol-Ann

Future topics:

- Materials Engineers' Role in Asset Strategies – Carol-Ann
- *Interesting findings-*
- *Corrosion monitoring*
- *Key reliability threats*
- *NACE and API learnings*
- *New technologies*
- *Corrosion control best practices*
- *Gary Y is interested in knowing what the role of Mat Engs is in MOCs*
- *Materials Engineers' involvement in IMPACT*
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